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URBAN DISTRICT OF ADWICK-LE-STREET.

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ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

FOR

1941.

BY

JOHN FERGUSON.

M.B. CH.B. D.P.H.

COUNCIL OFFICES
ADWICK-LE-STREET,
NR DONCASTER.



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URBAN DISTRICT COUNCIL OF ADWICK-LE-STREET.

PUBLIC HEALTH DEPARTMENT,
COUNCIL OFFICES,
ADWICK LE-STREET,
NR. DONCASTER.

JULY 1942.

To the Chairman and Members of the Adwick-le-Street
Urban District Council.

Mr. Chairman, Lady and Gentlemen,

I have pleasure in submitting herewith my Annual Report on the health of the inhabitants of the district for the year 1941. The report has been compiled on the lines indicated by the Ministry of Health and has been kept as brief as possible.

The Vital Statistics show that the health of the inhabitants continues to be satisfactory and there have been no serious outbreaks of infectious disease. The Birth and Death Rate compare favourably with the rate for the whole of England and Wales.

Rationing of food and the limitation of certain foodstuffs have not caused any signs of malnutrition amongst the school children of the area but an extension of the school meals scheme would ensure that the standard of nutrition was maintained.

My thanks are due to the Chairman and Members of the various committees and to the Officials for their support and co-operation throughout the year. I am particularly indebted to the Sanitary Inspector and the Public Health Staff for their valued help.

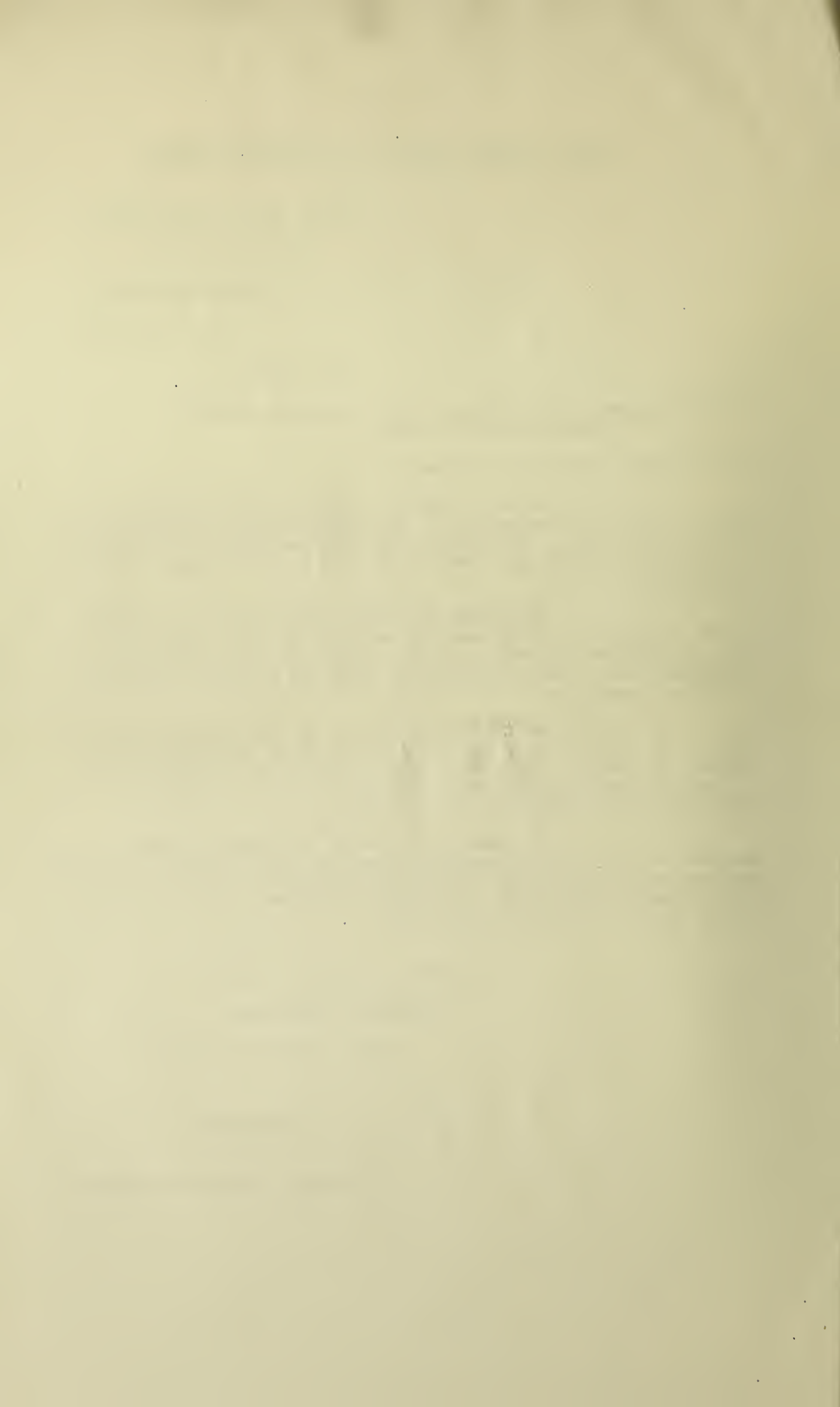
I have the honour to be,

Lady and Gentlemen,

Your obedient Servant,

J. FERGUSON.

Medical Officer of Health.



SECTION A.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area - - 3,606 acres.

Registrar General's estimate of:-

(1) Resident Population Mid-year 1941 - 18,120.

(2) Average Population appropriate to the calculation of Death Rates - 18,120.

Number of inhabited houses at end of 1941 - 4,453.

Rateable value - £73,749.

Sum represented by a penny rate - £279. 9. 2.

EXTRACTS FROM VITAL STATISTICS (Corrected for inward and outward returns).

BIRTHS.

Live Births.		Male.	Female.	Total.
	Legitimate	180	161	341
	Illegitimate	12	5	17
	Total	192	166	358

Birth Rate per 1,000 of estimated population - 19.75.

Still Births		Male.	Female.	Total.
	Legitimate	6	5	11
	Illegitimate	1	2	3
	Total	7	7	14

Rate per 1,000 Total (live and still) Births - 39.10

DEATHS.

Deaths.	Male.	Female.	Total.
	98	69	167

Crude Death Rate per 1,000 of the estimated resident population - 9.27.

DEATHS FROM PUERPERAL CAUSES.

	Deaths.	Rate per 1,000 total (live and still) Births.
Puerperal Sepsis	Nil.	Nil.
Other Puerperal Causes	1	2.6
Total	1	2.6

Death Rate of infants under one year of age - total deaths - 28.

Death Rate of all infants per 1,000 live births - - 77.12.

Death Rate of legitimate infants per 1,000 legitimate live births - 80.92.

Death Rate of illegitimate infants per 1,000 illegitimate live births - 0.00.

		1941.	1940.
DEATHS FROM:-	Cancer (All ages)	15	19
	Measles (All ages)	1	-
	Whooping Cough (All ages)	3	-
	Diarrhoea (under 2 yrs. of age)	-	-

SOCIAL CONDITIONS.

The chief occupation of the inhabitants of the Urban District is Coal Mining with tradesmen and shopkeepers who cater for their needs. A survey of the nutrition of school children in the area shows that despite the rationing of foodstuffs there is no increase in the number of cases of subnormal nutrition and the few cases of malnutrition can be attributed to other causes. A reference to the vital statistics and to the Infectious Diseases rates shows that the health of the children is satisfactory.

BIRTH AND DEATH RATE.

	1941.	1940.
Total number of live births.	358	342
Birth Rate per 1,000 population.	19.75	18.94
Birth Rate for England and Wales.	14.20	14.60
Total number of deaths	167	171
Death rate per 1,000 population (corrected).	9.27	13.06
Death rate per 1,000 for England and Wales.	12.90	14.30

INFANTILE MORTALITY.

The Infantile rate is the number of deaths of infants under one year of age per 1,000 registered births.

	1941.	1940.
Adwick-le-Street per 1,000 births.	39.10	40.81
England & Wales per 1,000 births.	59.00	55.00

28 deaths took place of children under one year of age, 14 males and 14 females. Prematurity and Congenital Malformation accounted for most of the deaths. During 1940 14 infants (6 males and 8 females) died under one year of age.

COMPARATIVE TABLES.

Year.	Population.	Birth Rate.	Death Rate.	Infantile Mortality Rate.
1915	10,431	39.00	12.60	147.40
1920	11,797	30.90	9.90	67.70
1930	19,230	25.70	11.00	60.40
1931	20,620	22.40	10.10	66.90
1932	20,257	21.40	10.80	72.80
1933	20,170	20.90	10.10	90.00
1934	19,810	18.10	11.80	74.90
1935	19,650	19.60	12.90	80.70
1936	19,680	18.30	13.90	72.20
1937	19,330	16.70	13.60	58.20
1938	19,170	18.90	14.70	74.10
1939	19,050	19.52	13.46	72.58
1940	18,050	18.94	13.06	40.81
1941	18,120	19.75	9.27	39.10



GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.SECTION B.I. PUBLIC HEALTH OFFICERS.(a) MEDICAL OFFICER OF HEALTH.

JOHN FERGUSON, M.B., Ch.B., D.P.H.

Dr. Ferguson is also Medical Officer of Health to Bentley-with-Arksey Urban District Council and is also an Assistant County Medical Officer.

(b) W. SENIOR, M.R.San.I., M.S.I.A.(c) ASSISTANT.

C.W. VALLANCE. In His Majesty's Forces.

(d) CLERK.

MRS. M. MURRAY.

(e) CLERK.

MRS. E. BLACK.

II. SERVICES.

There has been no change in the following services:-

Nursing in the home.

Treatment Centres and Clinics.

Hospitals.

Laboratory facilities.

Ambulance facilities - these are adequate for the area.

III. CLINICS AND TREATMENT CENTRES.

<u>CLINICS.</u>	<u>SITUATION.</u>	<u>TIME OF OPENING.</u>
Mother and Child Welfare.	Weslyan Chapel, Woodlands. Presbyterian Church, Carcroft.	Thursday 2 p.m. Thursday 2 p.m.
Ante-natal.	Weslyan Chapel, Woodlands. Presbyterian Church, Carcroft.	Tuesday 1.30 p.m. Alternate Mondays at 1.30 p.m.
School Clinic.	Weslyan Chapel, Woodlands. Presbyterian Church, Carcroft.	Monday and Thursday at 10 a.m.
Tuberculosis.	20, Christ Church Road, Doncaster.	Mondays 2 p.m. and 7 p.m.
Venereal Diseases.	Doncaster Royal Infirmary.	<u>Male</u> - Tuesday at 4 p.m. Friday 9 a.m. and 4 p.m. <u>Female and</u> <u>children.</u> Monday 5 p.m.

SECTION C.SANITARY CIRCUMSTANCES OF THE AREA.I. WATER SUPPLY.

The area is supplied with water obtained in bulk from the Doncaster and Tickhill Joint Water Board. The supply continues to be satisfactory, being of good quality, constant and sufficient.

The water is now chlorinated in accordance with the Ministry of Health instructions.

The consumption of water per head per day is as follows:-

1941.	25.059	gallons	per	head	per	day.
1940.	22.726	--	--	--	--	--

Herewith is a copy of a Chemical and a Bacteriological report upon the water:-

CHEMICAL ANALYSIS.

Richardson and Jaffe',
Hustlergate Laboratories,
Bradford.

16th May, 1941.

Report upon Sample of water from Adwick-le-Street U.D.C.

Grains per gallon:-

Total solid matters	...	...	...	...	...	55.00
Chlorine (combined)	...	...	...	...	...	2.50
Nitrates	...	...	...	...	...	None.
Nitrogen as Nitrates	...	...	...	...	...	.250
Free Ammonia	...	...	...	...	...	.0007
Albuminoid Ammonia	...	...	...	...	...	.0014
Lead, Copper, Zinc	...	...	...	...	...	None.
Total Hardness (Clarks Scale)	...	...	...	...	...	35.00
Permanent Hardness	...	...	...	...	...	7.00

This is a water of good organic purity, well suited for drinking and domestic purposes.

RICHARDSON AND JAFFE.

No. 31148.

Health Laboratory Wakefield.

Report upon the Bacteriological Examination of water collected from 49, Princess Street, Woodlands, Public Supply received on the 21st July, 1941.

Presumptive B. Coli.

None in 100 ml. of water.

The examination shows that this water is satisfactory according to the standard recommended by the Ministry of Health.

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2. RIVERS AND STREAMS.

The Ea Beck flows through the district. Constructional work by the Dun Drainage Commissioners have caused part of the Mill Stream to dry up and the final effluent of the Sewage Works now passes almost directly into the Ea Beck.

3. CLOSET ACCOMMODATION.

No. of Water Closets.....	5,022
No. of Privies.....	12
No. of Pail Closets.....	14
No. of waste water closets.....	Nil
No. of water closets constructed for new houses....	Nil
No. of water closets constructed for old property..	Nil

4. SCAVENGING.

This work is done by the Council under the direction of your Surveyor. Two 30 cwt. Morris lorries and one 2 ton Karrier Bantam are used for Scavenging and the staff consists of 12 men and a foreman and the costs of collection and disposal are as follows:-

	1941.	1940.
No. of loads removed.....	5,538	6,170
Total costs.....	£2,651. 5. 1	£3,045. 13. 4.
Cost per ton.....	5/2 $\frac{3}{4}$ d.	5/1d.
Cost per house.....	10/11 $\frac{3}{4}$ d.	12/7 $\frac{1}{4}$ d.
Cost per person.....	2/7 $\frac{3}{4}$ d.	3/0 $\frac{1}{2}$ d.

Refuse is still being collected once a week and is tipped on land adjoining Adwick Sewage Works and the Ea Beck at Bentley Moor Lane.

5. SANITARY INSPECTIONS OF THE AREA.

No. of inspections made.....	951
No. of Informal Notices served.....	166
No. of Informal Notices outstanding December 1940.....	25
No. of Informal Notices complied with.....	166
No. of Informal Notices outstanding December 1941.....	25
No. of Statutory Notices served.....	56
No. of Statutory Notices outstanding December 1940.....	1
No. of Statutory Notices complied with.....	56
No. of Statutory Notices outstanding December 1941.....	1

6. SWIMMING BATHS AND POOLS.

There are none in this area. There are Pit Head Baths at Brodsworth Colliery.

7. OFFENSIVE TRADES.

FISH FRYING. During the year 17 inspections were made. There are 16 shops in the area.

KNACKERS YARDS. There are none in the area.

COMMON LODGING HOUSES. There are none in the area.

<u>BED BUGS.</u>	No. of Houses found to be infested...10
	No. of Houses disinfested.....10

SCHOOLS.

There are five public elementary schools in the area and the Percy Jackson Grammar School.

In all cases of Notifiable disease the Head Teacher is informed of the contacts and the period of exclusion.

No schools were closed during the year.

SECTION D.HOUSING.

No houses were built in the district during 1941 but one was demolished.

SECTION E.MILK SUPPLY. INSPECTION AND SUPERVISION OF FOOD.

Number of Cowsheds.....	11
Number of Cowkeepers.....	9
Number of Wholesale Traders...	10
Number of Retail Purveyors....	45

EXAMINATION OF MILK FOR PRESENCE OF B. TUBERCULOSIS.

Number of samples taken...	51
Number satisfactory.....	48
Number positive.....	3

BACTERIOLOGICAL EXAMINATION OF MILK.

26 samples of Pasteurised milk were submitted for examination, of which 8 were found to be unsatisfactory.

2 samples of Tuberculin Tested milk were submitted for examination. Both were satisfactory.

MEAT AND OTHER FOODS.

No slaughtering has taken place in the district as all butchers obtain their supplies of meat from the Meat Pool at the Doncaster abattoir.

SECTION F.PREVALENCE AND CONTROL OVER INFECTIOUS AND OTHER DISEASES.

During the year 1,077 cases of Infectious Disease were notified by Medical Practitioners as compared with 264 in 1940.

DIPHTHERIA IMMUNISATION.

Diphtheria Immunisation was commenced in the Adwick-le-Street schools in October 1941 and by April 1942 over 1,000 children were immunised. Returns have been made to the Ministry of Health giving details of the work carried out. A further drive will be made during 1942 to increase the number of children immunised. The response has been very satisfactory and the immunisation has been carried out in the school premises.

The accompanying table shows the occurrence and age distribution of Infectious Diseases:-

<u>DISEASES.</u>	Un- der 1	1-	2-	3-	4-	5-	10-	15-	20-	35-	45-	65 and over	Tot al.	Hos pit al	Deaths.
Scarlet Fever	-	-	-	-	1	9	4	-	2	-	-	-	16	16	-
Diphtheria	-	-	1	3	1	7	4	1	3	-	-	-	20	20	-
Pneumonia	3	1	2	5	2	12	5	2	5	8	6	4	55	-	12
Erysipelas	-	-	-	-	-	-	-	-	4	3	7	2	16	-	-
Measles	36	75	88	98	123	320	15	2	3	-	-	-	760	-	1
Whooping Cough	16	23	31	19	30	61	4	-	1	-	-	-	185	-	3
Ophthalmis Neonatorum.	5	-	-	-	-	-	-	-	-	-	-	-	5	-	-
Puerperal Pyrexia	9	-	-	-	-	-	-	1	7	1	-	-	9	9	-
Cerebro Spinal Meningitis.	-	-	-	-	-	-	1	1	3	4	-	1	7	7	2
Poliomyelitis	-	-	-	-	1	-	-	-	-	-	-	-	1	1	-
Paratyphoid	-	1	-	-	-	-	-	-	-	-	-	-	1	1	-
Dysentery	-	-	1	-	-	1	-	-	-	-	-	-	2	-	-
Totals													1077	54	18

OPHTHALMIA NEONATORUM.

Five cases were notified during the year. These were treated at home and in no case was the vision impaired.

TUBERCULOSIS.

No action was taken under the Public Health (Prevention of Tuberculosis) Regulations 1925 or under Section 172 of the Public Health Act, 1936.

AGE PERIOD.	NEW CASES.								DEATHS.							
	RESPIRATORY.				OTHER FORMS				RESPIRATORY				OTHER FORMS.			
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
	1940	1941	1940	1941	1940	1941	1940	1941	1940	1941	1940	1941	1940	1941	1940	1941
0 to 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 to 5	-	1	-	-	2	2	-	-	-	1	-	-	2	-	1	-
5 to 15	2	-	-	2	4	1	2	3	1	-	-	-	-	-	1	1
15 to 25	4	2	1	4	-	-	1	1	-	1	1	1	-	-	-	1
25 to 35	1	2	1	-	-	-	-	-	2	2	1	-	-	-	-	-
35 to 45	-	2	3	-	-	-	-	-	2	3	3	1	-	-	-	-
45 to 55	2	2	1	-	-	-	-	-	2	-	-	-	-	-	-	-
55 to 65	2	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-
65 and up	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	11	10	6	6	6	3	3	4	7	7	6	2	2	-	2	2

The number of cases on the Tuberculosis Register at the 31st December 1941 was 212 as compared with 200 in the previous year. Details are as follows:-

RESPIRATORY	1941		1940	
	Males 100	Females 47	Males 97	Females 43
OTHER FORMS	Males 35	Females 30	Males 32	Females 28

There have been no cases of wilful neglect or refusal to notify. The Medical Practitioners in the area are prompt in their notification of tuberculosis. All tuberculosis deaths had been previously notified.

T.B. DEATH RATE - .60.

CANCER DEATHS.

AGE.	MALE.	FEMALE.	STOMACH.	PANCREAS	BOWEL.	LUNG.	LIVER.	THYROID.	BRAIN.	BREAST.	UTERUS.
51		F	-	-	-	-	-	-	-	1	-
74	M		-	-	-	-	-	1	-	-	-
71		F	-	-	-	-	-	-	-	1	-
59	M		1	-	-	-	-	-	-	-	-
53		F	-	-	-	-	-	-	-	-	1
53	M		-	-	-	1	-	-	-	-	-
65	M		-	-	-	-	1	-	-	-	-
62		F	-	-	-	-	-	-	-	-	1
66	M		1	-	-	-	-	-	-	-	-
42		F	-	-	1	-	-	-	-	-	-
69	M		-	1	-	-	-	-	-	-	-
64	M		-	-	-	-	-	1	-	-	-
38		F	-	-	-	-	-	-	1	-	-
48		F	-	-	-	-	-	-	-	1	-
70	M		-	-	1	-	-	-	-	-	-

Taken from the Return of Deaths to the Sanitary Authority there were 15 deaths, as recorded as above.

CAUSES OF DEATH. 1941.

ALL CAUSES - 167.

Males. Females.
98 69

1. Typhoid and Paratyphoid	...	...	...	...	-	-
2. Cerebro Spinal Fever...	...	...	...	...	2	-
3. Scarlet Fever	...	...	...	...	-	-
4. Whooping Cough	...	...	...	...	3	-
5. Diphtheria...	...	...	...	...	-	-
6. Tuberculosis of Respiratory System	...	...	...	...	7	2
7. Other Forms of Tuberculosis	...	...	...	...	-	2
8. Syphilitic Diseases	...	...	...	...	1	-
9. Influenza	...	...	...	...	7	4
10. Measles	...	...	...	...	-	1
11. Acute Poliomyelitis and Polio-Encephalitis	...	...	...	...	-	-
12. Acute Infectious Encephalitis	...	...	...	...	-	-
13. Cancer of Buccal Cavity, oesophagus and uterus	...	...	...	...	-	2
14. Cancer of Stomach and Duodenum...	...	...	...	...	2	-
15. Cancer of Breast	...	...	...	...	-	3
16. Cancer of all other Sites...	...	...	...	...	5	3
17. Diabetes	...	...	...	...	-	-
18. Intra cranial vascular lesions...	...	...	...	...	4	7
19. Heart Disease	...	...	...	...	17	14
20. Other diseases of Circulatory System	...	...	...	...	-	1
21. Bronchitis...	...	...	...	...	6	2
22. Pneumonia	...	...	...	...	6	6
23. Other Respiratory Diseases	...	...	...	...	2	1

24. Ulcer of Stomach or Duodenum...	...	...	...	3	-
25. Diarrhoea	...	...	...	-	-
26. Appendicitis	...	...	...	1	-
27. Other Digestive Diseases..	...	...	...	1	2
28. Nephritis..	...	...	...	-	2
29. Puerperal and post-abortion Sepsis..	...	...	...	-	-
30. Other Maternal Causes	...	...	...	-	1
31. Premature Birth	...	...	...	2	3
32. Congenital Malformation birth injuries, Infantile Diseases	...	...	...	2	4
33. Suicide	...	...	...	1	-
34. Road Traffic accidents	...	...	...	6	-
35. Other Violent Causes	...	...	...	14	-
36. All Other Causes	...	...	...	6	7

Birth rates, Civilian Death rates, Analysis of Mortality, Maternal Mortality and Case rates for certain Infectious diseases in the year 1941. Provisional figures based on Weekly and Quarterly Returns.

	England and Wales.	126 C.B.s and Great Towns including London.	148 Smaller Towns Resident Pop. 25,000 - 50,000 at 1931 Census.	London Adm. County.	Adwick- le-Street.
Rates per 1,000 Civilian Population:-					
Live Births	14.2	14.7	16.4	18.9	19.75
Still Births	0.51	0.58	0.60	0.33	0.77
<u>Deaths</u>					
All Causes	12.90	14.90	13.00	16.30	9.27
Typhoid and Paratyphoid	0.00	0.00	0.00	0.01	0.00
Scarlet Fever	0.00	0.00	0.01	0.00	0.00
Whooping Cough	0.06	0.07	0.06	0.04	0.16
Diphtheria	0.07	0.08	0.06	0.03	0.00
Influenza	0.19	0.17	0.20	0.15	0.60
Smallpox	-	-	-	-	-
Measles	0.03	0.03	0.03	0.02	0.05
Rates per 1,000 Live Births:-					
Deaths under 1 year of age	59	71	56	68	28
Deaths from Diarrhoea and Enteritis under 2 years of age.	5.1	7.5	4.6	6.8	-
Rates per 1,000 Civilian Population:-					
<u>Notifications</u>					
Typhoid Fever	0.03	0.02	0.03	0.04	0.00
Paratyphoid Fever	0.09	0.12	0.09	0.05	0.05
Cerebro Spinal Fever	0.25	0.31	0.20	0.30	0.38
Scarlet Fever	1.47	1.49	1.51	1.01	1.88
Whooping Cough	4.39	4.37	4.50	3.50	10.20
Diphtheria	1.25	1.53	1.19	0.93	1.10
Erysipelas	0.30	0.36	0.27	0.50	0.88
Smallpox	-	-	-	-	-
Measles	10.33	8.27	10.47	4.77	41.94
Pneumonia	1.25	1.53	1.04	1.07	3.03
Rate per 1,000 Total Births (Live and Still).					
<u>Maternal</u>					
Mortality:- (Excluding Abortion)					
Puerperal Infection (No. 147)	0.48)				
Others	1.75)	- Not Available			2.60
Total	2.23)				2.60
<u>Notifications</u>					
Puerperal Fever)				{ 2.29	
" Pyrexia)	11.91	15.64	9.43	{ 19.33	24.10
				including Puerperal Fever.	

